

Introduction to Planning Workshop

Programs and Purposes

**South Pacific
Division**

OBJECTIVES:

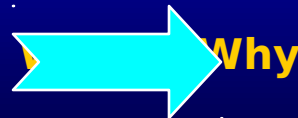
- **This module will discuss the following:**
 - **A brief history of the Corps.**
 - **Who we are?**
 - **What we do?**



CORPS' MISSIONS:

Missions changed throughout History!

- **Legislation**
- **Administrative Policies**
- **Shifting - Federal Responsibilities to non-Federal Responsibilities**





- Civil Works Began in the early 19th Century (i.e. 1824) with.. **NAVIGATION IMPROVEMENTS on the MISSISSIPPI and OHIO RIVERS**



BRIEF HISTORY: (cont.'d)

- River and Harbor Act of 1890

- *Initial flood control legislation for the Mississippi River*

- River and Harbor Act of 1890

- *Regulatory permits*

- Flood Control Act of 1917

- *Flood control outside the Mississippi River*

Valley



BRIEF HISTORY: (cont.'d)

- Flood Control Act of 1936
 - *Established National Flood Control Program*
- National Environmental Policy Act of 1969
 - *Identification of significant environmental resources to be affected, assessment of likely impacts, consideration of a full range of alternatives, and mitigation measures.*
- Principles & Standards - 1973
 - *Set forth two co-equal national objectives national economic*

BRIEF HISTORY: (cont.'d)

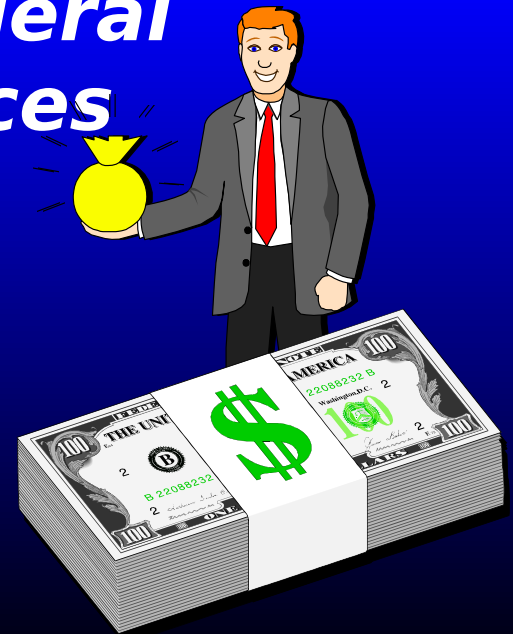
- Clean Water Act of 1977
 - *Section 404 of the Water Pollution Control Act of 1972 as amended (= Clean Water Act)*
- E.O. 11988 - Flood Plain Management - 1977
 - *Avoid development in 100-year flood plain; reduce hazards and risks of flooding; minimize the impact of floods on human safety, health, and welfare.*
- Principles & Guidelines - 1983
 - *Guidelines instead of Standards to enhance flexibility in project*

BRIEF HISTORY: (cont.'d)

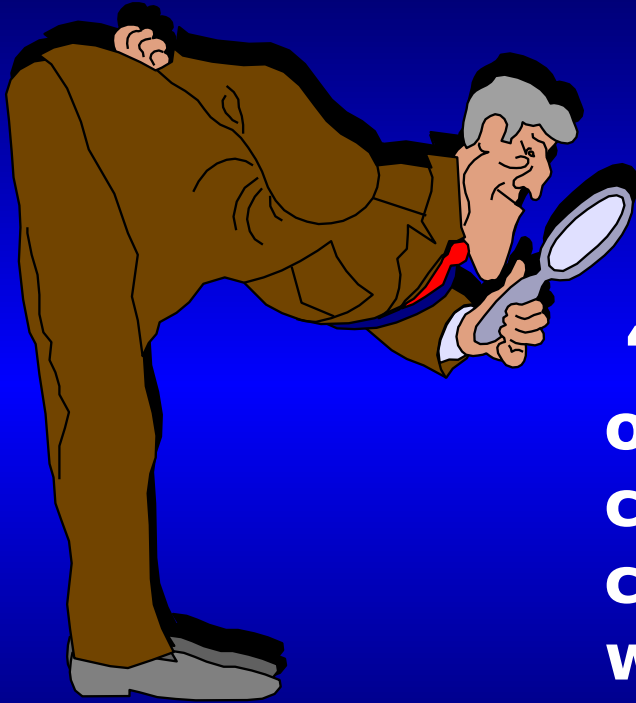
- Water Resources Development Act of 1986

→ Reestablished and refined by purpose, the Federal interest in water resources development

COST SHARING



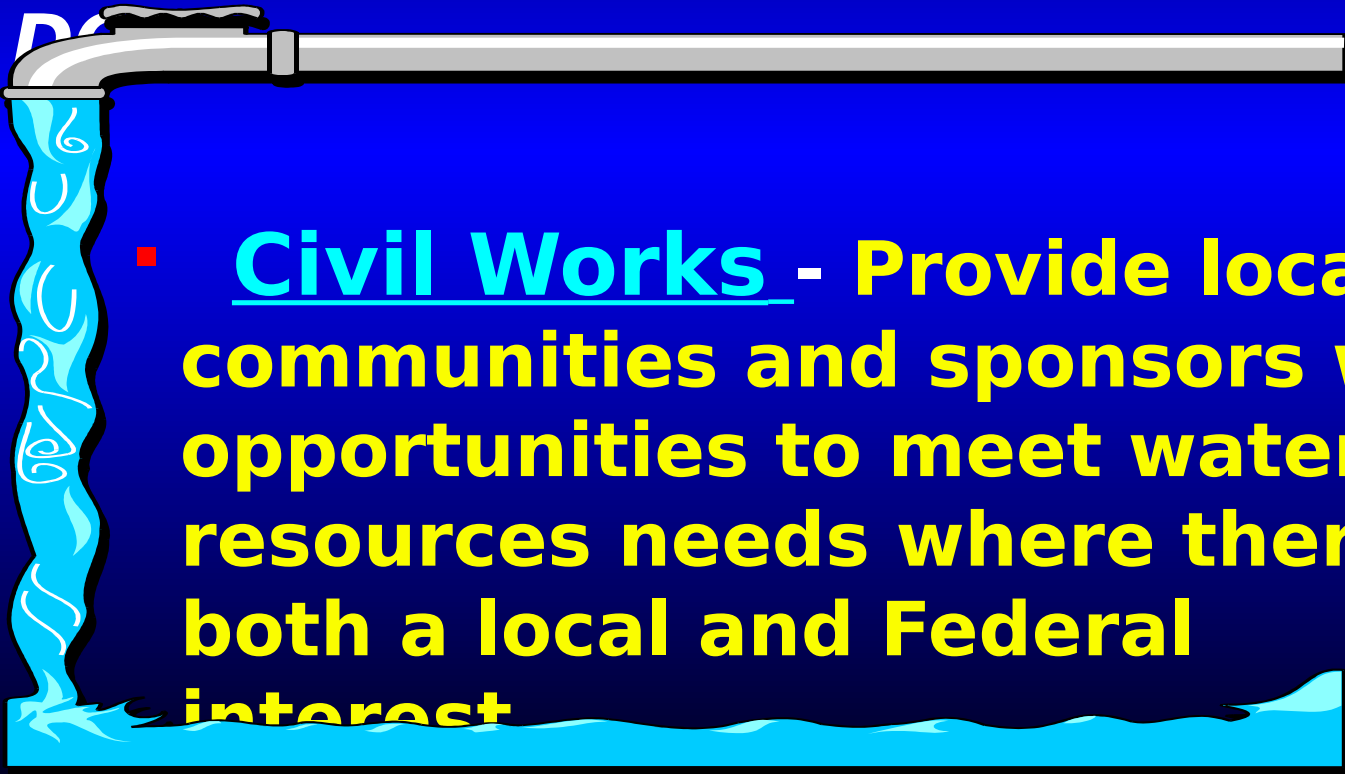
OUR CIVIL WORKS POLICY!



“It is the policy of the Corps of Engineers to develop, control, maintain, and conserve, the Nation’s water resources in accordance with the laws and policies established by Congress and the Administration.”

OUR PRIMARY MISSIONS:

- **Military** - **Provide engineering services to the Army and**

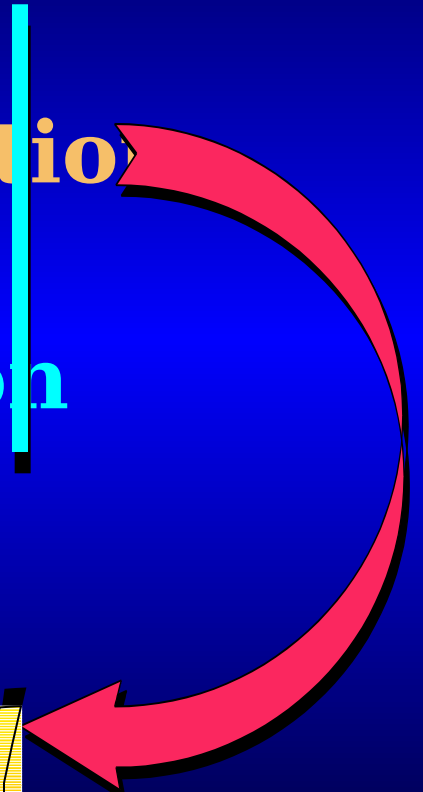


- **Civil Works** - **Provide local communities and sponsors with opportunities to meet water resources needs where there is both a local and Federal interest**

CIVIL WORKS MISSIONS:

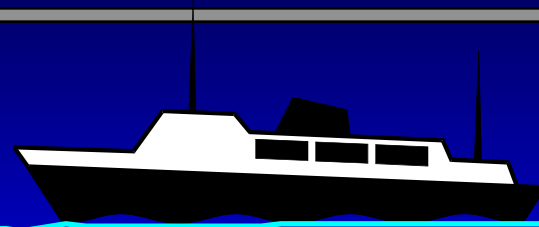
- ❑ **Navigation**
- ❑ **Flood Damage Reduction**
- ❑ **Ecosystem Restoration**
- ❑ **Watershed Planning**
- ❑ **Hurricane Storm Damage Reduction**
 - **Water Supply (Municipal/Industrial)**
 - **Hydropower**

HIGH PRIORITY



CIVIL WORKS MISSIONS:

❑ Navigation

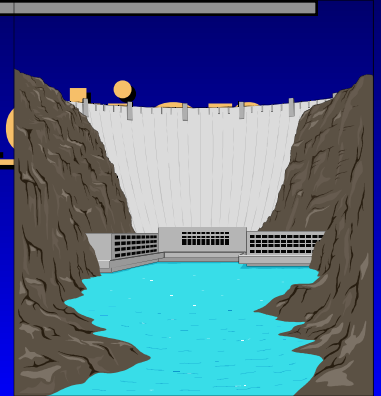


- 12,000 miles of Inland Waterway with 235 Locks. Waterways carry 1/6 of Nation's inter-city freight at a cost of 1/2 that of rail. 1/10 that of trucks.
- 300 major seaports handle 2 billion tons of cargo per year.
- 1 of every 7 jobs in U.S. depends on trade handled by ports.
- Over 600 smaller harbors

CIVIL WORKS MISSIONS:

❑ Flood Damage Reduction

- 383 dams & reservoirs
- 8,500 miles of levees/floodwalls
- Flood protection advice/assistance to States, cities @ 25,000 requests per year
- Average annual flood damages prevented = over \$20 billion;



CIVIL WORKS MISSIONS:



❑ Environmental Stewardship

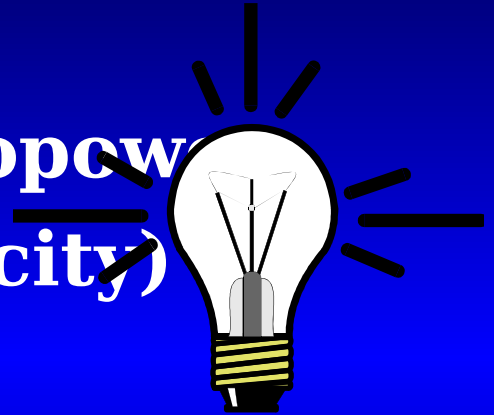
- 18,000 sq. mi. of project lands
(1/2 DA total, 1/3 DOD total)
- Major environmental restoration
(e.g. Everglades)
- Water Supply
 - Approx. 10 million people in 115 cities



CIVIL WORKS MISSIONS:

- Energy

- 24% of Nation's hydropower (3% of total electricity)



- Recreation

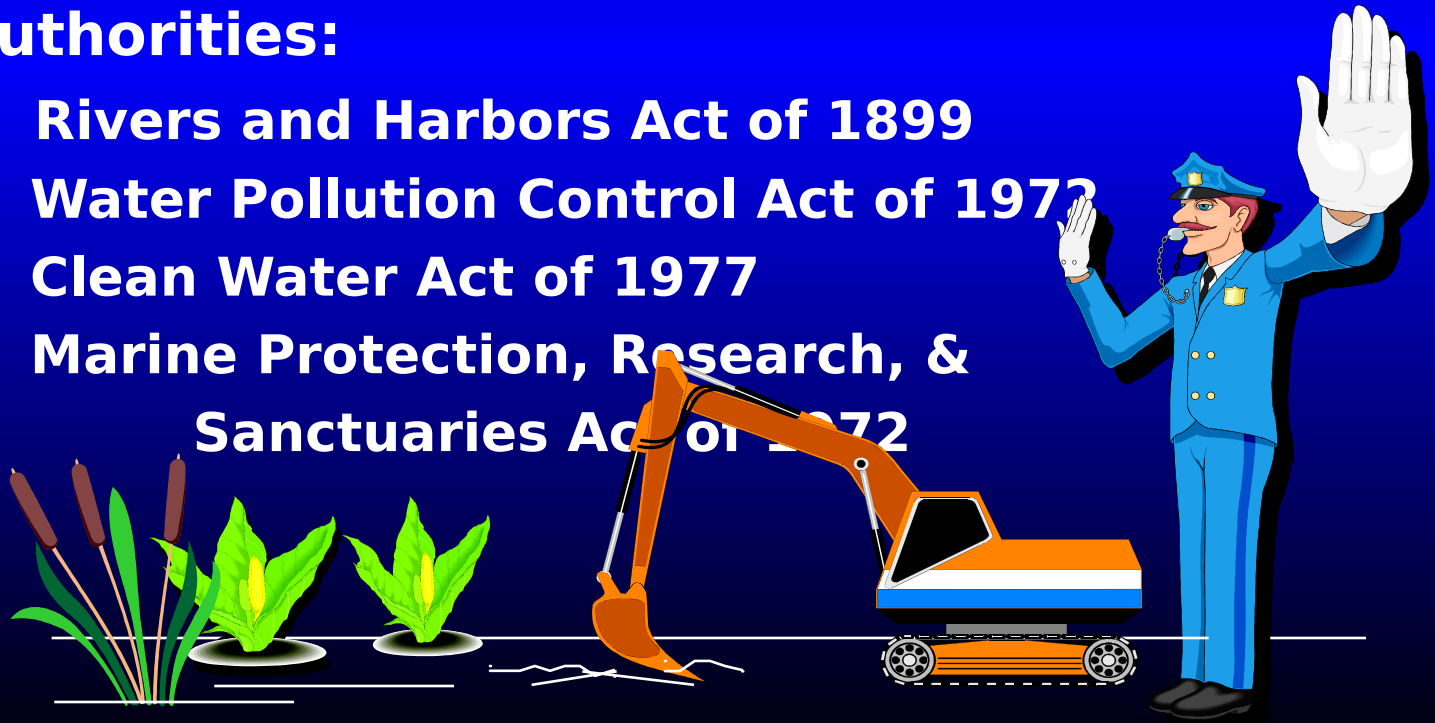
- Over 4,300 sites at 463 projects
- 376 million visits a year by 25 million people (10% of U.S. population visits at least once a day a year)



OTHER BUDGETED MISSIONS:

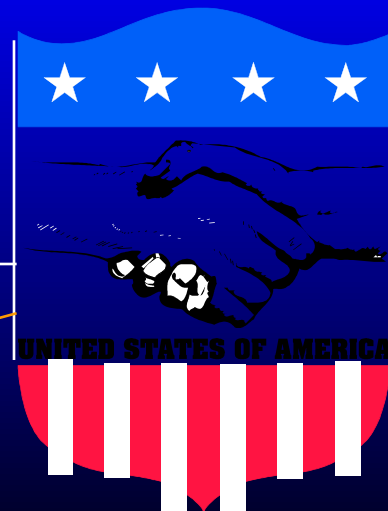
❑ Regulatory Mission:

- Review and authorize various activities and fill in the “waters of the United States”
- Authorities:
 - Rivers and Harbors Act of 1899
 - Water Pollution Control Act of 1972
 - Clean Water Act of 1977
 - Marine Protection, Research, & Sanctuaries Act of 1972



INTER AGENCY SERVICES (IAS)

Corps performs work funded by other Federal agencies, by state and/or local governments, by native American tribes, by non-government organizations, and even by foreign governments.

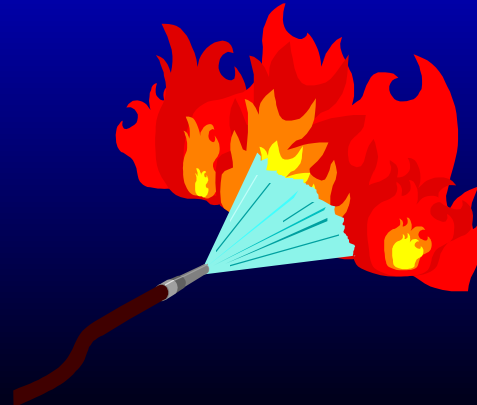
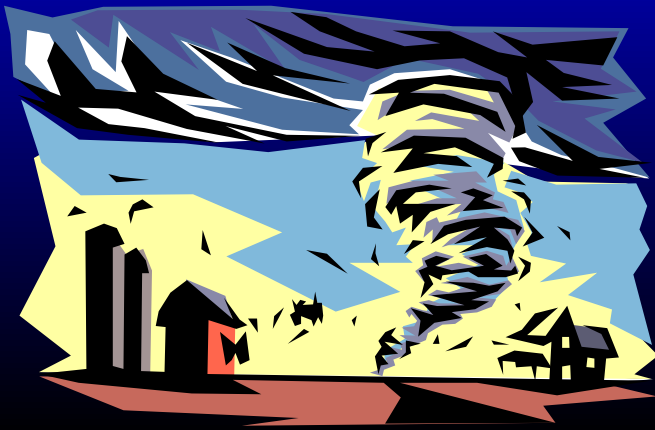


OTHER BUDGETED MISSIONS:

(cont.'d)

□ Emergency Operations:

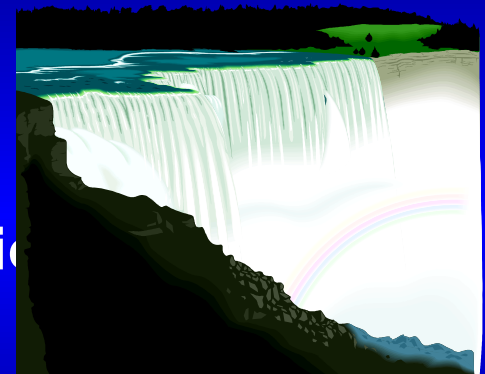
- Flood and Coastal Storm Emergency Act
[Public Law 84-99]
- FEMA Missions



CORPS MISSIONS: (cont.'d)

■ Other budgeted items:

- Recreation
- Water Supply
- Flood Plain Management Service
- Dam Safety
- Environmental Studies and Documentation
- Flood Preparedness and Warning Plans
- Public Involvement and Agency Coordination



PLANNING PROGRAMS:

❑ GENERAL INVESTIGATIONS

- Specifically authorized (“named”) studies
- Section 22 WRDA 1974 - Planning Assistance to States
- Section 206 Flood Control Act of 1960 - Flood Plain Management Services
- Section 212 WRDA 1999 - Flood Mitigation & Riverine Restoration
- Section 216 Flood Control Act of 1970

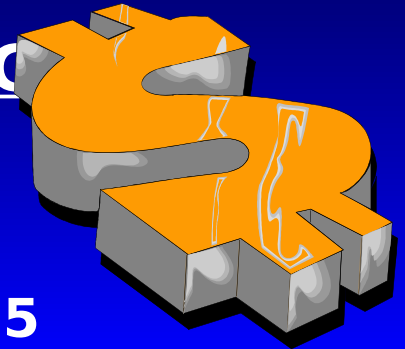
GENERAL INVESTIGATIONS:

❑ Specifically Authorized (or “Named”) Studies:

- **Generally for larger, complex projects**
 - **100% Federally funded reconnaissance phase**
 - **50/50 cost shared feasibility phase**
 - **75/25 cost shared preconstruction engineering & design phase**
 - **Cost shared construction - Varies (see next slide)**

GENERAL INVESTIGATIONS:

CONSTRUCTION COST SHARING



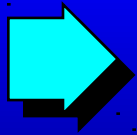
Flood Control - 65/35

Environmental Restoration - 65/35

Inland Navigation - 50/50 (Inland Waterways Trust Fund)

Deep Draft Navigation - proportional to depth of construction: Non-Federal share is 10% to Depths of 20 feet; 25% between 20 and 45 feet; and 50% over 45 feet.

Recreation - 50/50



GENERAL INVESTIGATIONS:

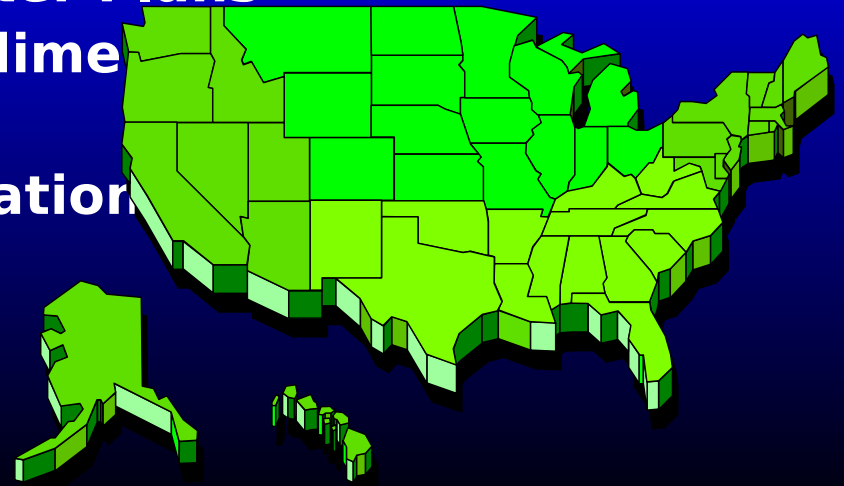
Section 22 - Planning Assistance to States

- **Program to assist States, local governments, and non-Federal public entities in the preparation of comprehensive plans for the development, utilization, and conservation of water and land related resources.**
- **Program is annually funded by Congress**
- **\$500,000 - Maximum per state**
- **50/50 cost sharing**

GENERAL INVESTIGATIONS:

❑ **Section 22 - Planning Assistance to States**

- **Typical Studies:**
 - **Water Supply & Demand**
 - **Groundwater**
 - **Dam Safety/Failure**
 - **Recreation Master Plans**
 - **Erosion and Sedimentation**
 - **Water Quality**
 - **Wetlands Evaluation**
 - **Floodplains**



GENERAL INVESTIGATIONS:

Floodplain Management Services (FPMS)

- **Section 206 Flood Control Act 1960**
- **Public understanding of flood hazards**
- **Promote prudent use and management of the Nation's floodplains.**
- **Typical district annual allocation < \$50,000**
- **No cost sharing required for state, regional, or local governments.**
- **Types of Assistance:**

GENERAL INVESTIGATIONS:

Review of Completed Projects

- **Section 216 Flood Control Act 1970**

- **Program to review the operation of completed Federal projects and to recommend modifications...**
 - **"when found advisable due to significantly changed conditions**
 - **"for improving the quality of the environment in the public interest".**
- **Initial Appraisal Completed using O&M funds.**
- **Follow-on GI funding if warranted.**

PLANNING PROGRAMS:

(Cont.'d)

❑ CONTINUING AUTHORITIES: (More in Module 26)

- Section 3 River and Harbor Act of 1945 - Emergency Clearing & Snagging Navigation
- Section 14 Flood Control Act of 1946 - Emergency Streambank Protection Projects
- Section 103 River and Harbor Act of 1962 - Small Beach Erosion Control
- Section 107 River and Harbor Act of 1960 - Small Navigation

PLANNING PROGRAMS:

(Cont.'d)

❑ CONTINUING AUTHORITIES: (cont.'d)

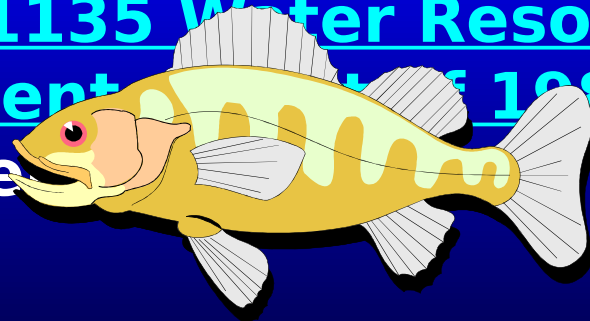
- Section 204 Water Resources Development Act of 1992 - Aquatic/Ecological Habitat Protection, Restoration & Creation
- Section 205 Flood Control Act of 1948 - Small Flood Control Projects
- Section 206 Water Resources Development Act of 1996 - Aquatic Ecosystem Restoration

PLANNING PROGRAMS:

(Cont.'d)

❑ CONTINUING AUTHORITIES: (cont.'d)

- Section 208 Flood Control Act of 1954- Clearing and Snagging Projects
- Section 1135 Water Resources Development Act of 1986 - Environmental



UNBUDGETED MISSIONS:

- ❑ **Project Planning, Design and/or Construction which must be directed by the Congress!**



“Studies & projects which are not included in the President’s Budget”



UNBUDGETED MISSIONS:

(cont.'d)

- **Types of projects:**
 - **Environmental infrastructure**
 - **Water Quality**
 - **Waterfront Development**
 - **Master Planning**
 - **Combined sewer overflows (CSO)**
 - **Recreation**
 - **Erosion Control/Protection**
 - **Pollution Abatement**
 - **Siltation & sedimentation**
 - **Water Supply**
 - **Waste management**

EVOLVING MISSIONS:

- **Ecosystem Restoration & Protection**
 - **Environmental Infrastructure**
 - **Watershed Planning**
-

CLOSING REMARKS:

- “The U.S. Army Corps of Engineers will participate in partnership with non-Federal sponsors in the development and management of the Nation’s water and related land resources...”



“... Within our high priority missions and all

